

IN THE CLAIMS:

Please cancel non-elected claims 1-20, 23-30, 36 and 37,
and amend claim 22 as follows:

22. (Three times amended) A method of manufacturing a heat exchanger for cooling exhaust gas of an internal-combustion engine, said method comprising the steps of:

providing a plurality of rectangular tubes for guiding exhaust gas;

arranging a plurality of lugs in said rectangular tubes diagonally to a flow direction of the exhaust gas, [said lugs being arranged] in pairs, [said lugs being] by one of (a) directly [attached] attaching the lugs to [said tube] walls of said tubes and (b) integrally [formed] forming the lugs from said [tube] walls of said tubes;

providing first and second latticed tube bottoms;

welding ends of said rectangular tubes to said latticed tube bottoms such that said rectangular tubes form a bundle;

attaching a sheet metal jacket to said tube bottoms and around said bundle;

providing said sheet metal jacket with a coolant inlet and a coolant outlet to allow a liquid coolant to flow around said rectangular tubes in said sheet metal jacket; and